

Lab #: 839942 Job #: 51996 IS-107457 Co. Job#:
 Sample Name: SVP-01 Co. Lab#:
 Company: Oxy USA Inc.
 API/Well:
 Container: IsoTube®
 Field/Site Name: Cook Donald Gas Unit #1
 Location:
 Formation:
 Sampling Point:
 Date Sampled: 8/22/2022 10:30 Date Received: 8/26/2022 Date Reported: 9/07/2022

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.915			
Oxygen -----	20.86			
Nitrogen -----	78.14			
Carbon Dioxide -----	0.085			
Methane -----	0.0003			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	0.0001			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.000

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 839943 Job #: 51996 IS-107457 Co. Job#:
 Sample Name: SVP-02 Co. Lab#:
 Company: Oxy USA Inc.
 API/Well:
 Container: IsoTube®
 Field/Site Name: Cook Donald Gas Unit #1
 Location:
 Formation:
 Sampling Point:
 Date Sampled: 8/22/2022 10:40 Date Received: 8/26/2022 Date Reported: 9/07/2022

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.915			
Oxygen -----	20.87			
Nitrogen -----	78.13			
Carbon Dioxide -----	0.084			
Methane -----	0.0004			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	0.0002			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.000

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 839944 Job #: 51996 IS-107457 Co. Job#:
 Sample Name: SVP-03 Co. Lab#:
 Company: Oxy USA Inc.
 API/Well:
 Container: IsoTube®
 Field/Site Name: Cook Donald Gas Unit #1
 Location:
 Formation:
 Sampling Point:
 Date Sampled: 8/22/2022 10:50 Date Received: 8/26/2022 Date Reported: 9/07/2022

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.917			
Oxygen -----	20.92			
Nitrogen -----	78.08			
Carbon Dioxide -----	0.083			
Methane -----	0.0004			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	0.0001			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	0.0001			
Iso-pentane -----	nd			
N-pentane -----	0.0001			
Hexanes + -----	0.0002			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.000

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 839945 Job #: 51996 IS-107457 Co. Job#:
 Sample Name: SVP-04 Co. Lab#:
 Company: Oxy USA Inc.
 API/Well:
 Container: IsoTube®
 Field/Site Name: Cook Donald Gas Unit #1
 Location:
 Formation:
 Sampling Point:
 Date Sampled: 8/22/2022 11:00 Date Received: 8/26/2022 Date Reported: 9/07/2022

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.919			
Oxygen -----	20.96			
Nitrogen -----	78.04			
Carbon Dioxide -----	0.085			
Methane -----	0.0004			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	0.0001			
Iso-pentane -----	nd			
N-pentane -----	0.0001			
Hexanes + -----	0.0002			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.000

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 839946 Job #: 51996 IS-107457 Co. Job#:
 Sample Name: SVP-05 Co. Lab#:
 Company: Oxy USA Inc.
 API/Well:
 Container: IsoTube®
 Field/Site Name: Cook Donald Gas Unit #1
 Location:
 Formation:
 Sampling Point:
 Date Sampled: 8/22/2022 11:10 Date Received: 8/26/2022 Date Reported: 9/07/2022

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.922			
Oxygen -----	20.96			
Nitrogen -----	78.03			
Carbon Dioxide -----	0.086			
Methane -----	0.0002			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	nd			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.000

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 854976 Job #: 53238 IS-107457 Co. Job#:
 Sample Name: SVP03 Co. Lab#:
 Company: Oxy USA Inc.
 API/Well:
 Container: IsoTube®
 Field/Site Name: Cook Donald GU 1
 Location:
 Formation:
 Sampling Point:
 Date Sampled: 12/18/2022 9:37 Date Received: 1/09/2023 Date Reported: 1/23/2023

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.877			
Oxygen -----	19.66			
Nitrogen -----	79.32			
Carbon Dioxide -----	0.14			
Methane -----	0.0003			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	0.0003			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 0.999

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 854977 Job #: 53238 IS-107457 Co. Job#:
 Sample Name: SVP05 Co. Lab#:
 Company: Oxy USA Inc.
 API/Well:
 Container: IsoTube®
 Field/Site Name: Cook Donald GU 1
 Location:
 Formation:
 Sampling Point:
 Date Sampled: 12/18/2022 9:43 Date Received: 1/09/2023 Date Reported: 1/23/2023

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.855			
Oxygen -----	19.06			
Nitrogen -----	79.37			
Carbon Dioxide -----	0.71			
Methane -----	0.0011			
Ethane -----	0.0003			
Ethylene -----	nd			
Propane -----	0.0002			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	0.0001			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	0.0004			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.001

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 854978 Job #: 53238 IS-107457 Co. Job#:
 Sample Name: SVP06 Co. Lab#:
 Company: Oxy USA Inc.
 API/Well:
 Container: IsoTube®
 Field/Site Name: Cook Donald GU 1
 Location:
 Formation:
 Sampling Point:
 Date Sampled: 12/18/2022 9:49 Date Received: 1/09/2023 Date Reported: 1/23/2023

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.871			
Oxygen -----	19.34			
Nitrogen -----	78.18			
Carbon Dioxide -----	1.61			
Methane -----	0.0005			
Ethane -----	0.0002			
Ethylene -----	nd			
Propane -----	0.0001			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	0.0003			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.006

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 854979 Job #: 53238 IS-107457 Co. Job#:
 Sample Name: SVP07 Co. Lab#:
 Company: Oxy USA Inc.
 API/Well:
 Container: IsoTube®
 Field/Site Name: Cook Donald GU 1
 Location:
 Formation:
 Sampling Point:
 Date Sampled: 12/18/2022 9:55 Date Received: 1/09/2023 Date Reported: 1/23/2023

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.858			
Oxygen -----	19.24			
Nitrogen -----	79.32			
Carbon Dioxide -----	0.58			
Methane -----	0.0002			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	0.0003			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.000

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 854980 Job #: 53238 IS-107457 Co. Job#:
 Sample Name: SVP08 Co. Lab#:
 Company: Oxy USA Inc.
 API/Well:
 Container: IsoTube®
 Field/Site Name: Cook Donald GU 1
 Location:
 Formation:
 Sampling Point:
 Date Sampled: 12/18/2022 10:01 Date Received: 1/09/2023 Date Reported: 1/23/2023

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.817			
Oxygen -----	18.37			
Nitrogen -----	79.84			
Carbon Dioxide -----	0.97			
Methane -----	0.0007			
Ethane -----	0.0002			
Ethylene -----	nd			
Propane -----	nd			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	0.0002			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.001

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 854981 Job #: 53238 IS-107457 Co. Job#:
 Sample Name: SVP09 Co. Lab#:
 Company: Oxy USA Inc.
 API/Well:
 Container: IsoTube®
 Field/Site Name: Cook Donald GU 1
 Location:
 Formation:
 Sampling Point:
 Date Sampled: 12/18/2022 10:07 Date Received: 1/09/2023 Date Reported: 1/23/2023

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.839			
Oxygen -----	18.73			
Nitrogen -----	79.53			
Carbon Dioxide -----	0.90			
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	0.0002			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.001

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 854982 Job #: 53238 IS-107457 Co. Job#:
 Sample Name: SVP10 Co. Lab#:
 Company: Oxy USA Inc.
 API/Well:
 Container: IsoTube®
 Field/Site Name: Cook Donald GU 1
 Location:
 Formation:
 Sampling Point:
 Date Sampled: 12/18/2022 10:13 Date Received: 1/09/2023 Date Reported: 1/23/2023

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.810			
Oxygen -----	18.27			
Nitrogen -----	80.43			
Carbon Dioxide -----	0.49			
Methane -----	0.0012			
Ethane -----	0.0004			
Ethylene -----	nd			
Propane -----	0.0002			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	0.0002			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 0.998

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 854983 Job #: 53238 IS-107457 Co. Job#:
 Sample Name: SVP11 Co. Lab#:
 Company: Oxy USA Inc.
 API/Well:
 Container: IsoTube®
 Field/Site Name: Cook Donald GU 1
 Location:
 Formation:
 Sampling Point:
 Date Sampled: 12/18/2022 10:19 Date Received: 1/09/2023 Date Reported: 1/23/2023

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.852			
Oxygen -----	19.10			
Nitrogen -----	79.76			
Carbon Dioxide -----	0.29			
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	0.0001			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 0.999

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 854984 Job #: 53238 IS-107457 Co. Job#:
 Sample Name: SVP12 Co. Lab#:
 Company: Oxy USA Inc.
 API/Well:
 Container: IsoTube®
 Field/Site Name: Cook Donald GU 1
 Location:
 Formation:
 Sampling Point:
 Date Sampled: 12/18/2022 10:25 Date Received: 1/09/2023 Date Reported: 1/23/2023

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.850			
Oxygen -----	19.07			
Nitrogen -----	79.31			
Carbon Dioxide -----	0.77			
Methane -----	0.0002			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	0.0002			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.001

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 854985 Job #: 53238 IS-107457 Co. Job#:
 Sample Name: SVP13 Co. Lab#:
 Company: Oxy USA Inc.
 API/Well:
 Container: IsoTube®
 Field/Site Name: Cook Donald GU 1
 Location:
 Formation:
 Sampling Point:
 Date Sampled: 12/18/2022 10:31 Date Received: 1/09/2023 Date Reported: 1/23/2023

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.850			
Oxygen -----	19.08			
Nitrogen -----	79.57			
Carbon Dioxide -----	0.50			
Methane -----	0.0006			
Ethane -----	0.0003			
Ethylene -----	nd			
Propane -----	0.0002			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	nd			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.000

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 854986 Job #: 53238 IS-107457 Co. Job#:
 Sample Name: SVP14 Co. Lab#:
 Company: Oxy USA Inc.
 API/Well:
 Container: IsoTube®
 Field/Site Name: Cook Donald GU 1
 Location:
 Formation:
 Sampling Point:
 Date Sampled: 12/19/2022 10:37 Date Received: 1/09/2023 Date Reported: 1/23/2023

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.830			
Oxygen -----	18.33			
Nitrogen -----	78.76			
Carbon Dioxide -----	2.08			
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	0.0003			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.007

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 854987 Job #: 53238 IS-107457 Co. Job#:
 Sample Name: SVP15 Co. Lab#:
 Company: Oxy USA Inc.
 API/Well:
 Container: IsoTube®
 Field/Site Name: Cook Donald GU 1
 Location:
 Formation:
 Sampling Point:
 Date Sampled: 12/19/2022 10:43 Date Received: 1/09/2023 Date Reported: 1/23/2023

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.936			
Oxygen -----	20.84			
Nitrogen -----	77.73			
Carbon Dioxide -----	0.49			
Methane -----	0.0002			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	0.0010			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.002

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 854988 Job #: 53238 IS-107457 Co. Job#:
 Sample Name: SVP16 Co. Lab#:
 Company: Oxy USA Inc.
 API/Well:
 Container: IsoTube®
 Field/Site Name: Cook Donald GU 1
 Location:
 Formation:
 Sampling Point:
 Date Sampled: 12/19/2022 10:49 Date Received: 1/09/2023 Date Reported: 1/23/2023

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.936			
Oxygen -----	20.91			
Nitrogen -----	77.64			
Carbon Dioxide -----	0.51			
Methane -----	0.0002			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	0.0008			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.003

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 854989 Job #: 53238 IS-107457 Co. Job#:
 Sample Name: SVP17 Co. Lab#:
 Company: Oxy USA Inc.
 API/Well:
 Container: IsoTube®
 Field/Site Name: Cook Donald GU 1
 Location:
 Formation:
 Sampling Point:
 Date Sampled: 12/19/2022 10:55 Date Received: 1/09/2023 Date Reported: 1/23/2023

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.936			
Oxygen -----	20.87			
Nitrogen -----	77.60			
Carbon Dioxide -----	0.59			
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	0.0005			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.003

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 854990 Job #: 53238 IS-107457 Co. Job#:
 Sample Name: SVP18 Co. Lab#:
 Company: Oxy USA Inc.
 API/Well:
 Container: IsoTube®
 Field/Site Name: Cook Donald GU 1
 Location:
 Formation:
 Sampling Point:
 Date Sampled: 12/19/2022 11:01 Date Received: 1/09/2023 Date Reported: 1/23/2023

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.937			
Oxygen -----	20.95			
Nitrogen -----	77.68			
Carbon Dioxide -----	0.43			
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	0.0006			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.002

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 854991 Job #: 53238 IS-107457 Co. Job#:
 Sample Name: SVP19 Co. Lab#:
 Company: Oxy USA Inc.
 API/Well:
 Container: IsoTube®
 Field/Site Name: Cook Donald GU 1
 Location:
 Formation:
 Sampling Point:
 Date Sampled: 12/19/2022 11:07 Date Received: 1/09/2023 Date Reported: 1/23/2023

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.934			
Oxygen -----	20.79			
Nitrogen -----	77.29			
Carbon Dioxide -----	0.99			
Methane -----	0.0003			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	nd			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.005

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 854992 Job #: 53238 IS-107457 Co. Job#:
 Sample Name: SVP20 Co. Lab#:
 Company: Oxy USA Inc.
 API/Well:
 Container: IsoTube®
 Field/Site Name: Cook Donald GU 1
 Location:
 Formation:
 Sampling Point:
 Date Sampled: 12/19/2022 11:13 Date Received: 1/09/2023 Date Reported: 1/23/2023

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.939			
Oxygen -----	20.97			
Nitrogen -----	77.71			
Carbon Dioxide -----	0.38			
Methane -----	0.0003			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	nd			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.002

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 854993 Job #: 53238 IS-107457 Co. Job#:
 Sample Name: SVP21 Co. Lab#:
 Company: Oxy USA Inc.
 API/Well:
 Container: IsoTube®
 Field/Site Name: Cook Donald GU 1
 Location:
 Formation:
 Sampling Point:
 Date Sampled: 12/19/2022 11:19 Date Received: 1/09/2023 Date Reported: 1/23/2023

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.925			
Oxygen -----	20.28			
Nitrogen -----	76.65			
Carbon Dioxide -----	2.14			
Methane -----	0.0003			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	nd			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.011

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 854994 Job #: 53238 IS-107457 Co. Job#:
 Sample Name: SVP22 Co. Lab#:
 Company: Oxy USA Inc.
 API/Well:
 Container: IsoTube®
 Field/Site Name: Cook Donald GU 1
 Location:
 Formation:
 Sampling Point:
 Date Sampled: 12/19/2022 11:25 Date Received: 1/09/2023 Date Reported: 1/23/2023

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.937			
Oxygen -----	20.88			
Nitrogen -----	77.49			
Carbon Dioxide -----	0.69			
Methane -----	0.0004			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	nd			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.004

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 854995 Job #: 53238 IS-107457 Co. Job#:
 Sample Name: SVP23 Co. Lab#:
 Company: Oxy USA Inc.
 API/Well:
 Container: IsoTube®
 Field/Site Name: Cook Donald GU 1
 Location:
 Formation:
 Sampling Point:
 Date Sampled: 12/19/2022 11:31 Date Received: 1/09/2023 Date Reported: 1/23/2023

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.924			
Oxygen -----	20.16			
Nitrogen -----	76.52			
Carbon Dioxide -----	2.39			
Methane -----	0.0011			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	0.0005			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.012

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 854996 Job #: 53238 IS-107457 Co. Job#:
 Sample Name: SVP24 Co. Lab#:
 Company: Oxy USA Inc.
 API/Well:
 Container: IsoTube®
 Field/Site Name: Cook Donald GU 1
 Location:
 Formation:
 Sampling Point:
 Date Sampled: 12/19/2022 11:37 Date Received: 1/09/2023 Date Reported: 1/23/2023

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.923			
Oxygen -----	20.22			
Nitrogen -----	76.56			
Carbon Dioxide -----	2.29			
Methane -----	0.0021			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	0.0005			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.011

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.